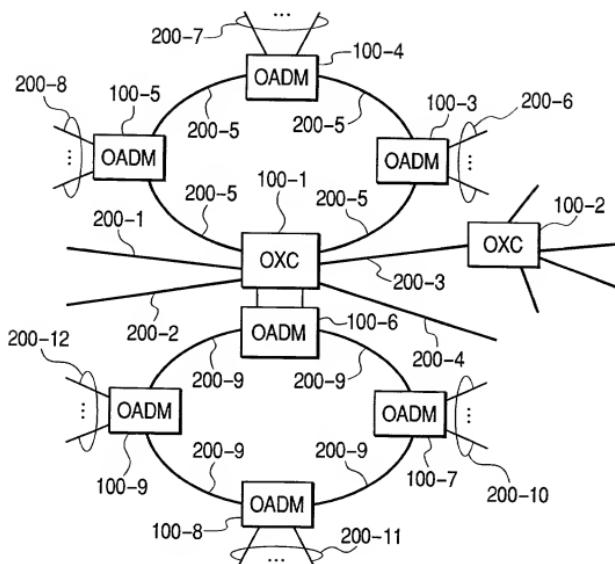


FIG. 1



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FIG. 2

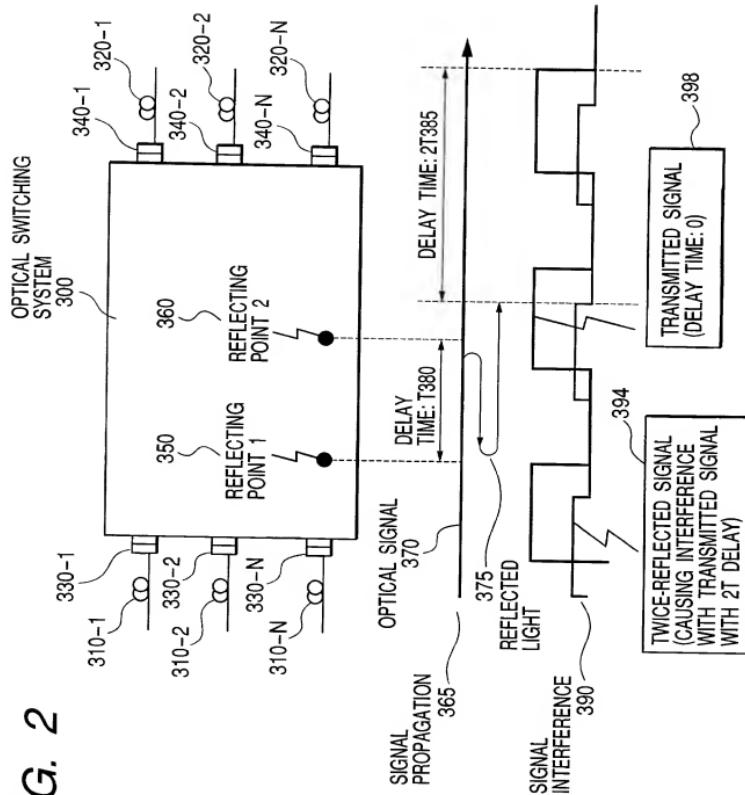


FIG. 4 300

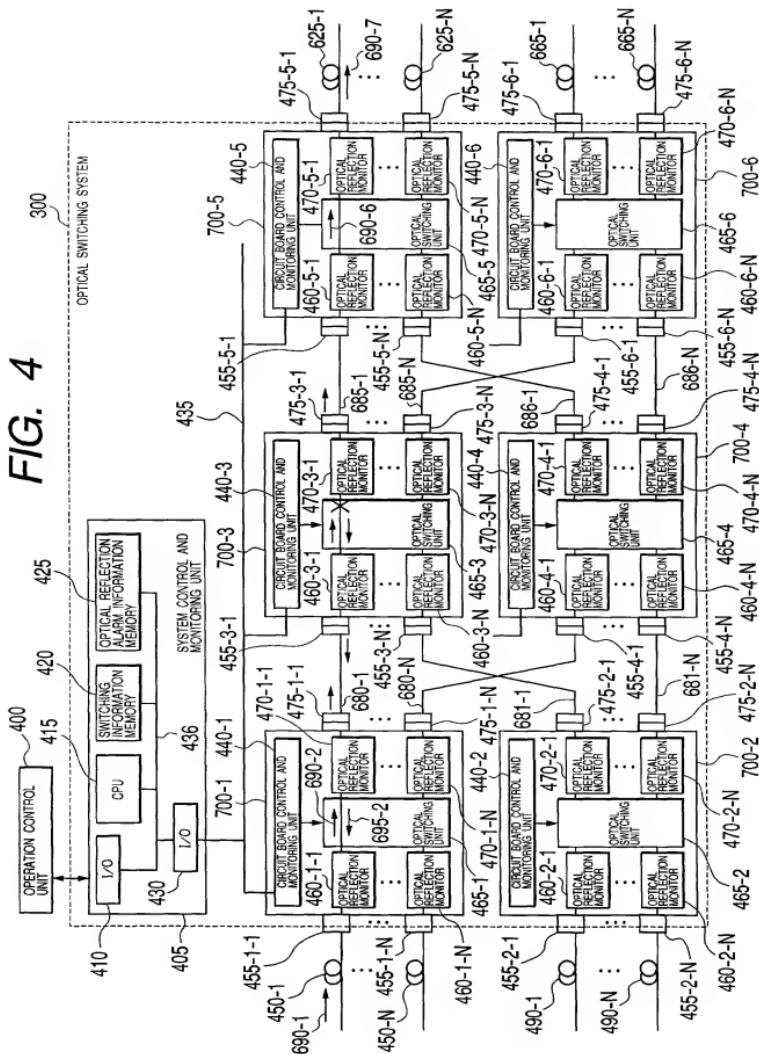
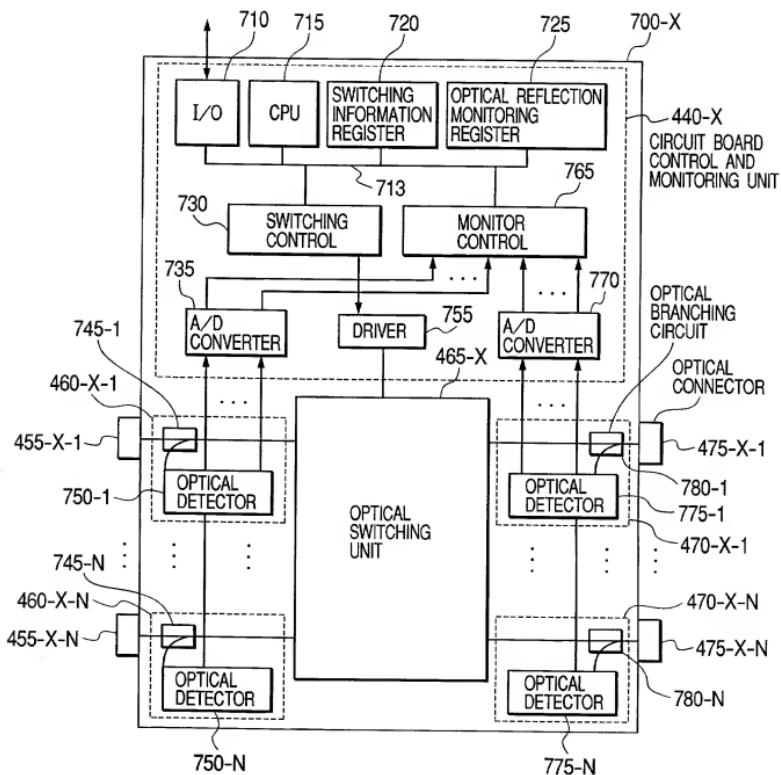


FIG. 5



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FIG. 6

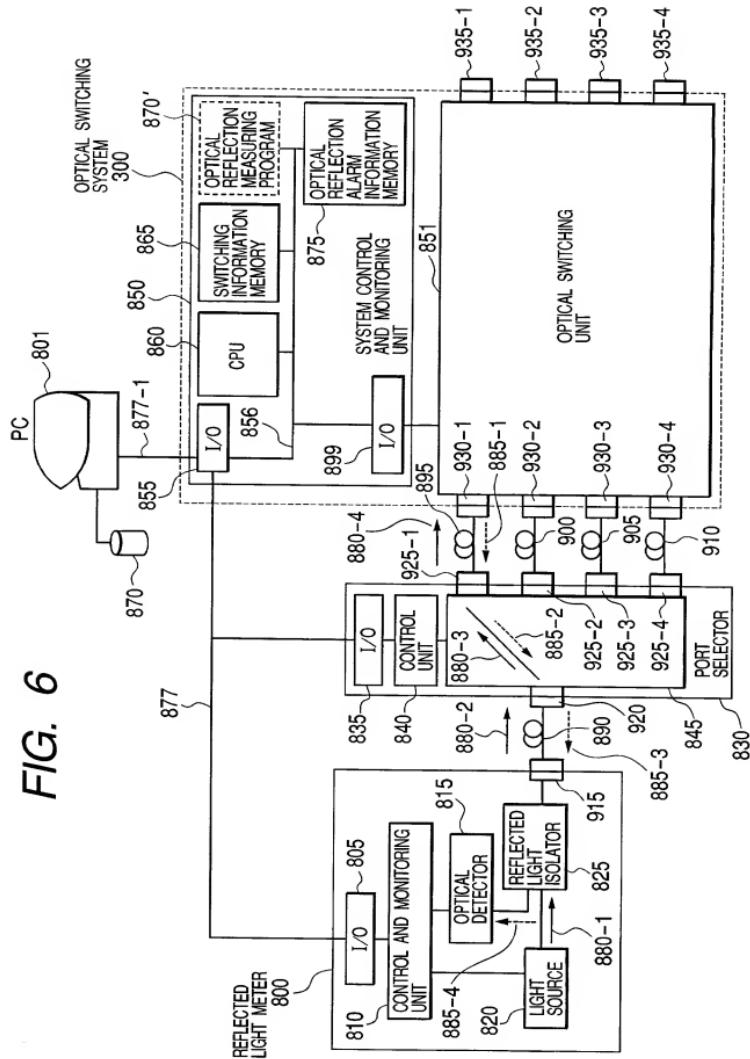
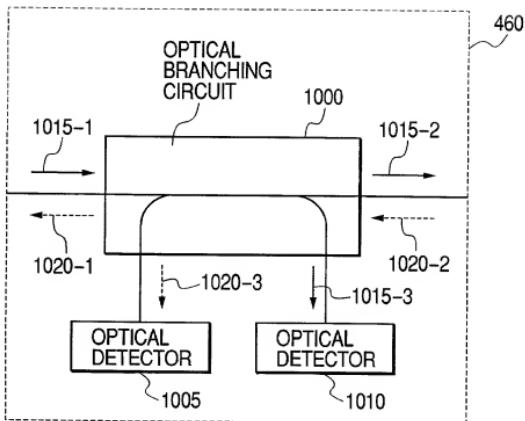


FIG. 7



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FIG. 8

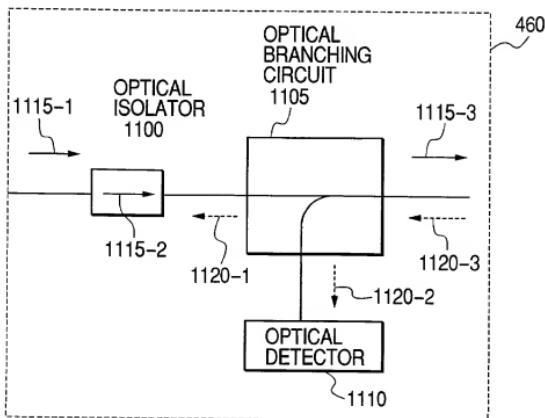


FIG. 9

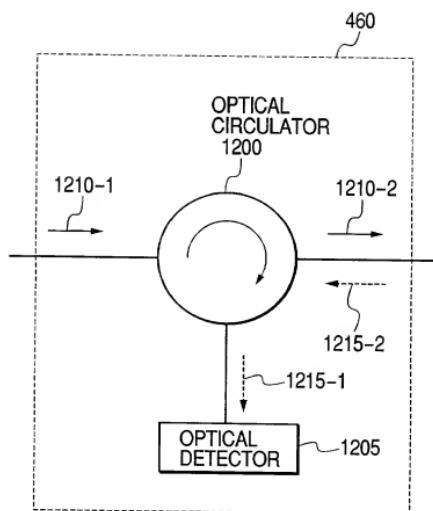


FIG. 10

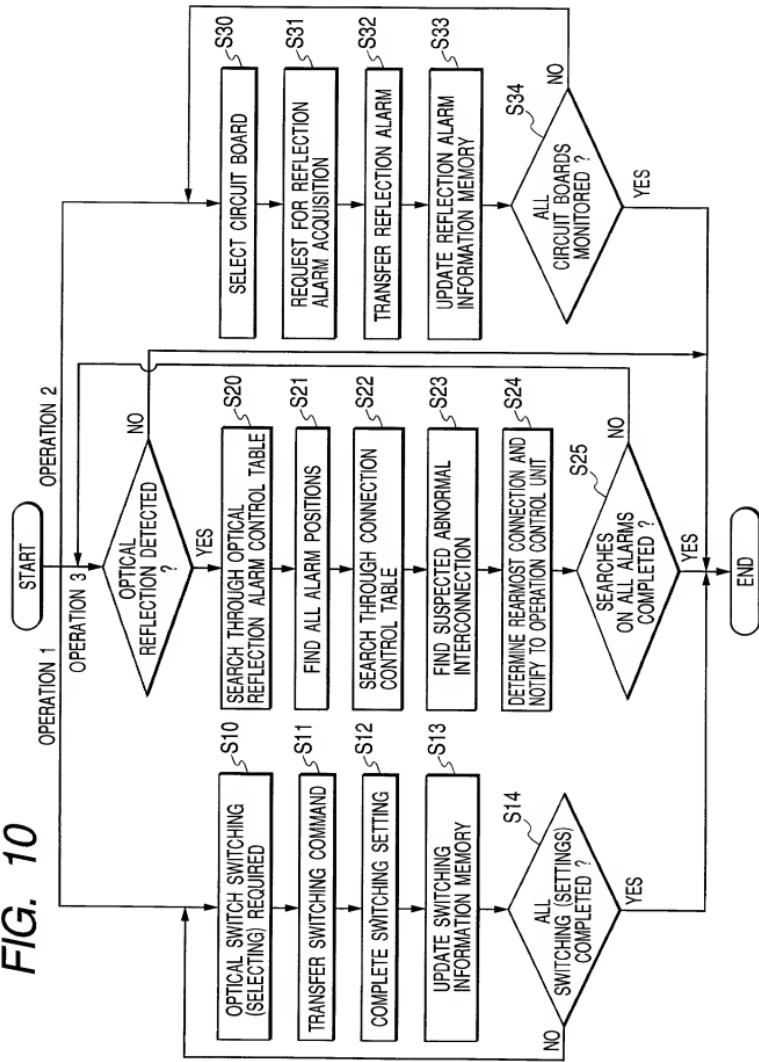


FIG. 11

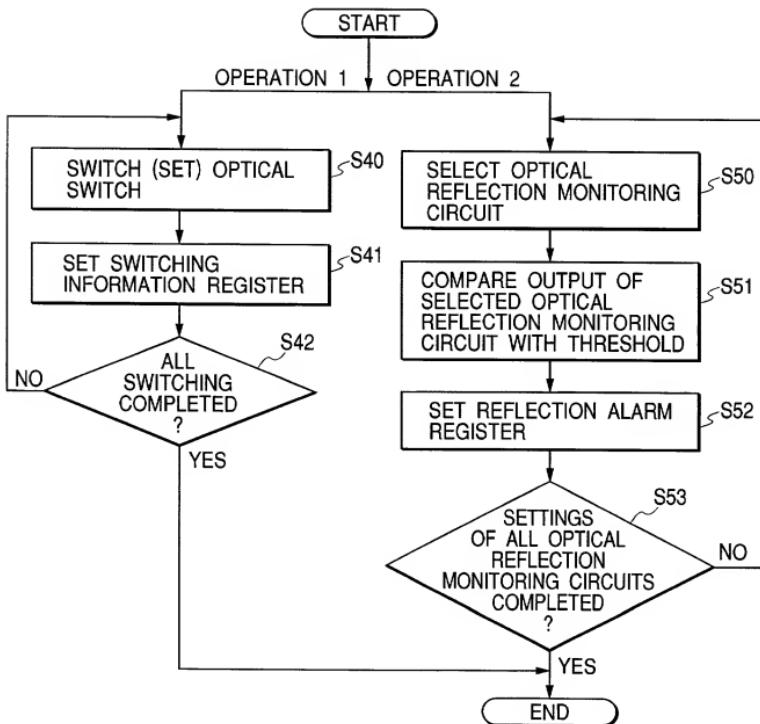


FIG. 12

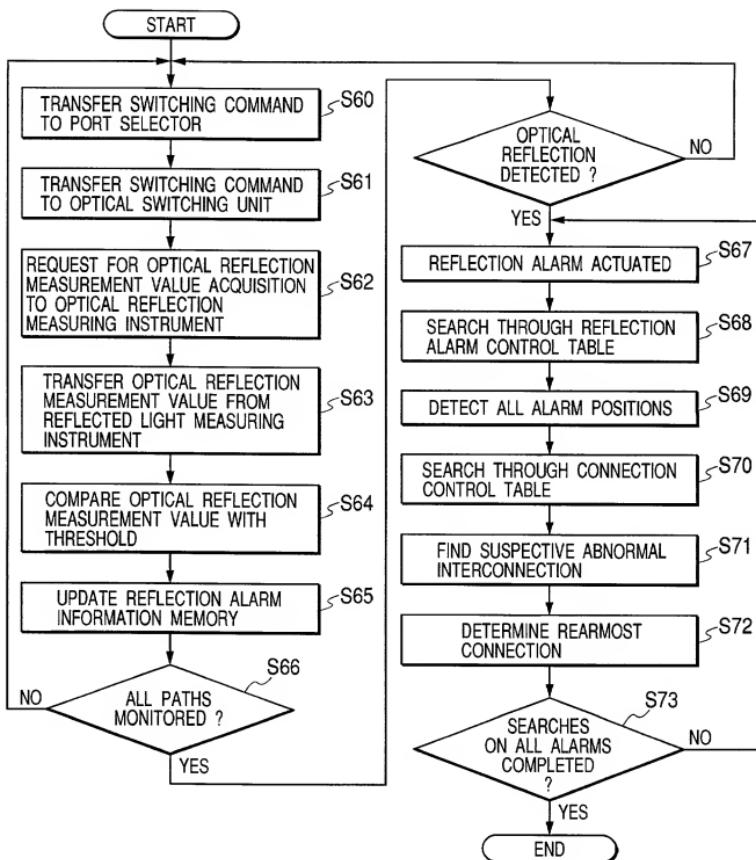


FIG. 13A

	CB1		CB3		CB5	
	INPUT PORT	OUTPUT PORT	INPUT PORT	OUTPUT PORT	INPUT PORT	OUTPUT PORT
PORT 1	ABNORMAL	ABNORMAL	NORMAL	NORMAL	NORMAL	NORMAL
PORT 2	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
⋮	⋮	⋮	⋮	⋮	⋮	⋮
PORT N	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
	CB2		CB4		CB6	
	INPUT PORT	OUTPUT PORT	INPUT PORT	OUTPUT PORT	INPUT PORT	OUTPUT PORT
PORT 1	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
PORT 2	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
⋮	⋮	⋮	⋮	⋮	⋮	⋮
PORT N	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL

FIG. 13B

	CB1		CB3		CB5	
	INPUT PORT	OUTPUT PORT	INPUT PORT	OUTPUT PORT	INPUT PORT	OUTPUT PORT
PORT 1	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL	NORMAL	NORMAL
PORT 2	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
⋮	⋮	⋮	⋮	⋮	⋮	⋮
PORT N	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
	CB2		CB4		CB6	
	INPUT PORT	OUTPUT PORT	INPUT PORT	OUTPUT PORT	INPUT PORT	OUTPUT PORT
PORT 1	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
PORT 2	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
⋮	⋮	⋮	⋮	⋮	⋮	⋮
PORT N	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL

FIG. 14

WITHIN CB1 INPUT/OUTPUT PORT PORT	CB-TO-CB	WITHIN CB8 INPUT/OUTPUT PORT PORT	CB-TO-CB	WITHIN CB5 INPUT/OUTPUT PORT PORT
1 → 1	CB1 OUTPUT PORT 1 → CB3 INPUT PORT 1	1 → 1	CB3 OUTPUT PORT 1 → CB5 INPUT PORT 1	1 → 1
.
N → 1	CB1 OUTPUT PORT N → CB4 INPUT PORT 1	N → N	CB3 OUTPUT PORT N → CB6 INPUT PORT 1	N → N
WITHIN CB2 INPUT/OUTPUT PORT PORT	CB-TO-CB	WITHIN CB4 INPUT/OUTPUT PORT PORT	CB-TO-CB	WITHIN CB6 INPUT/OUTPUT PORT PORT
1 → N	CB2 OUTPUT PORT 1 → CB3 INPUT PORT N	1 → 1	CB4 OUTPUT PORT 1 → CB5 INPUT PORT N	1 → 1
.
N → 1	CB2 OUTPUT PORT N → CB4 INPUT PORT N	N → N	CB4 OUTPUT PORT N → CB6 INPUT PORT N	N → N